

## Figures

28 pages of color drawings  
(three sets enclosed)

FIGURE 1. HYDROGEN THERMOLYSIS REACTOR AND HYBRID GAS-FIRED TURBINE ENGINE/STEAM TURBINE ENGINE (THE PREFERRED EMBODIMENT OF THE INVENTION)

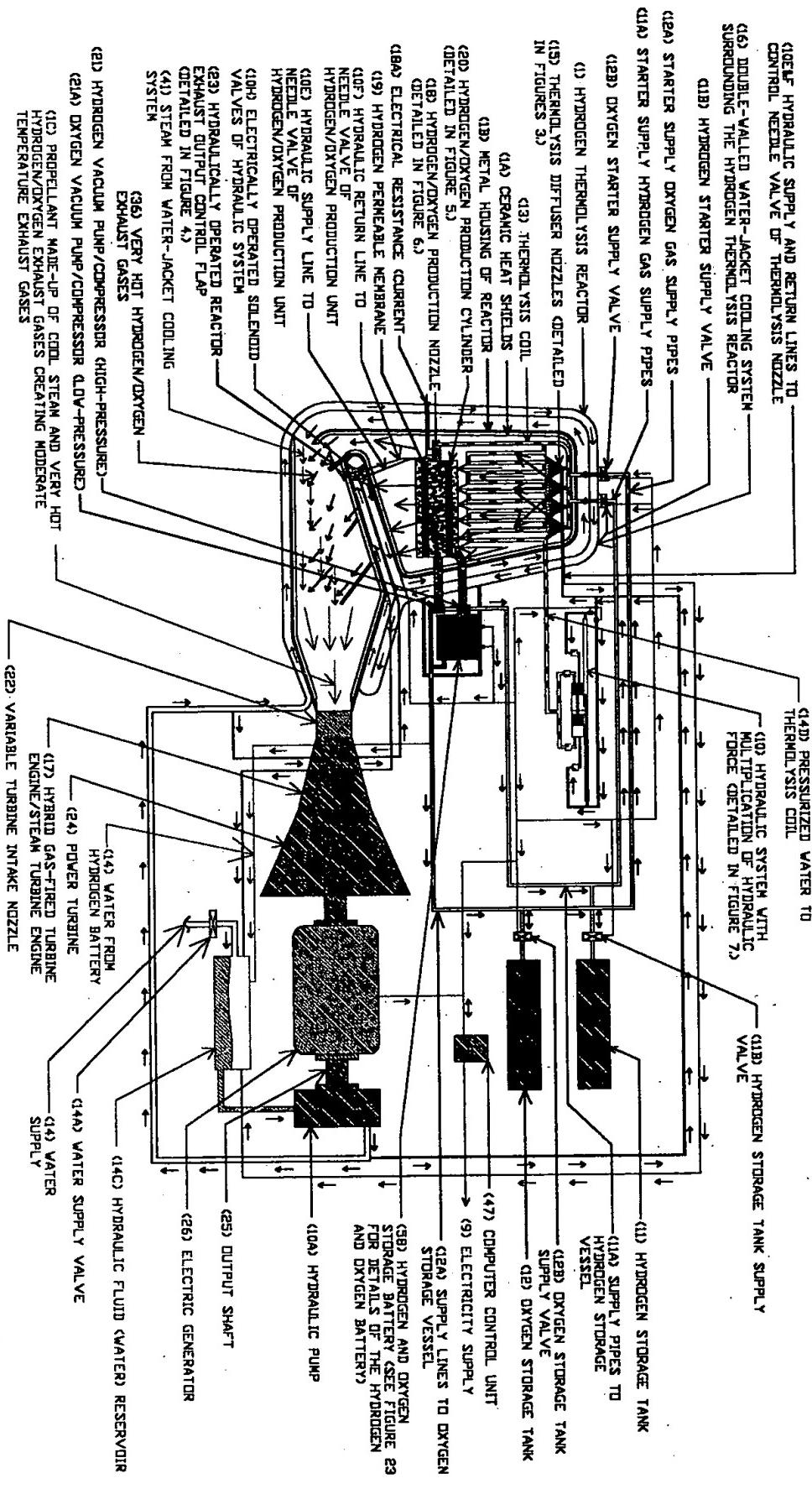


FIGURE 2. HYDROGEN THERMOLYSIS DIFFUSER NOZZLE USING ELECTRIC CURRENT RESISTANCE HEATING AND AN ELECTRIC ARC TO HEAT/IGNITE HYDROGEN/OXYGEN FUEL PLASMA

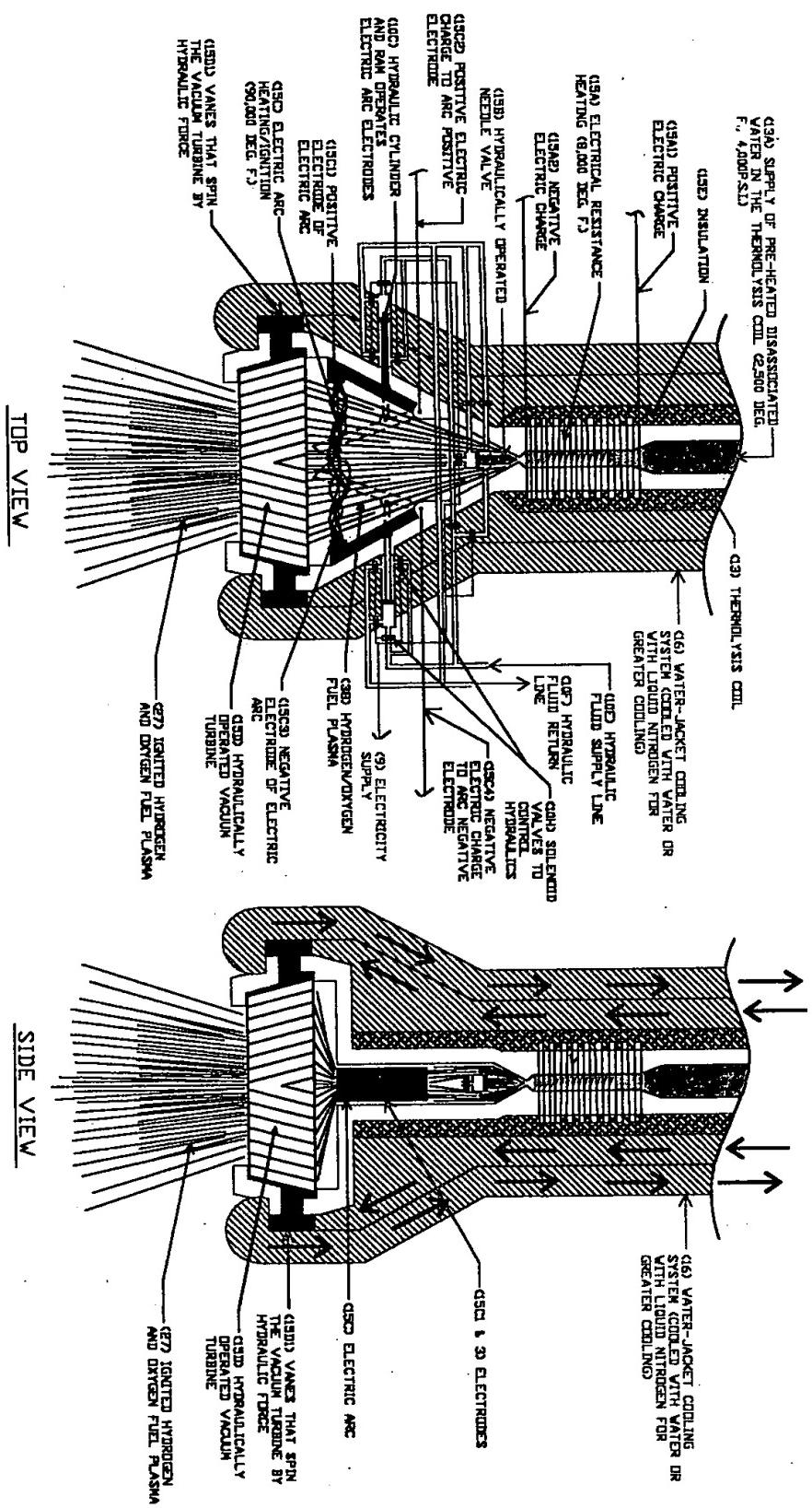


FIGURE 3. HYDROGEN THERMOLYSIS DIFFUSER NOZZLE USING MASERS TO HEAT THE PRESSURIZED WATER AND LASERS TO HEAT/IGNITE THE HYDROGEN/OXYGEN FUEL PLASMA

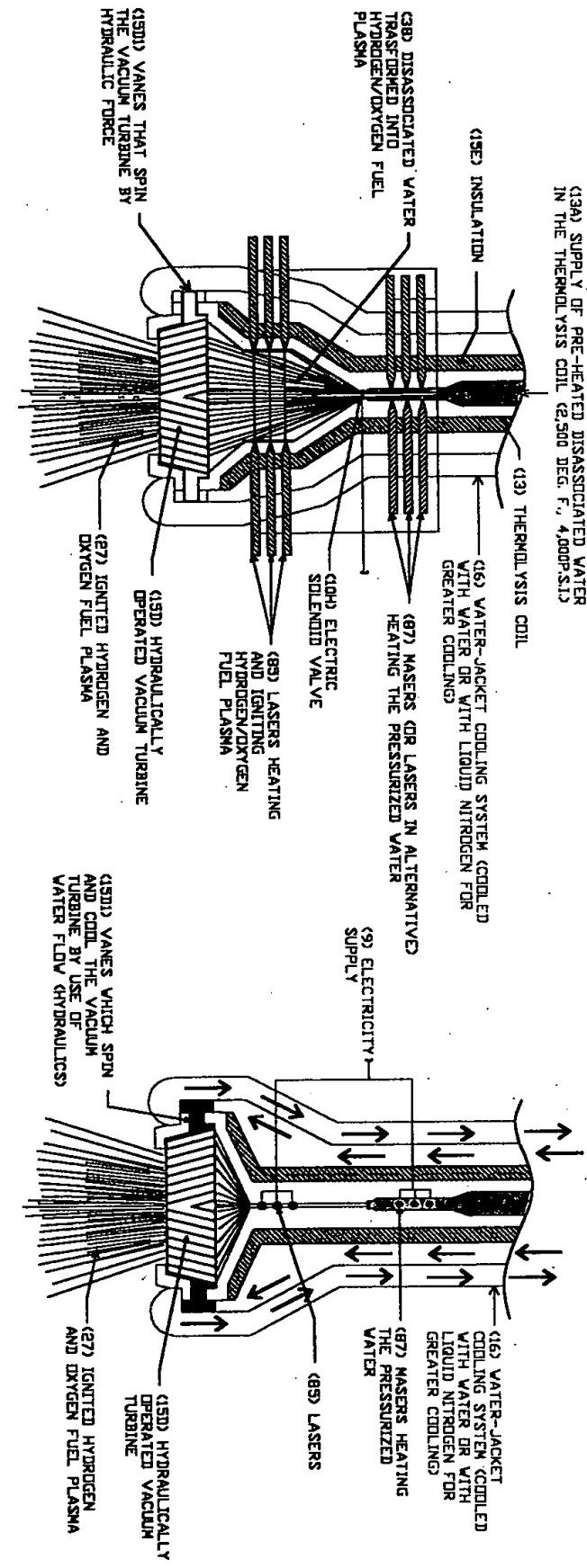
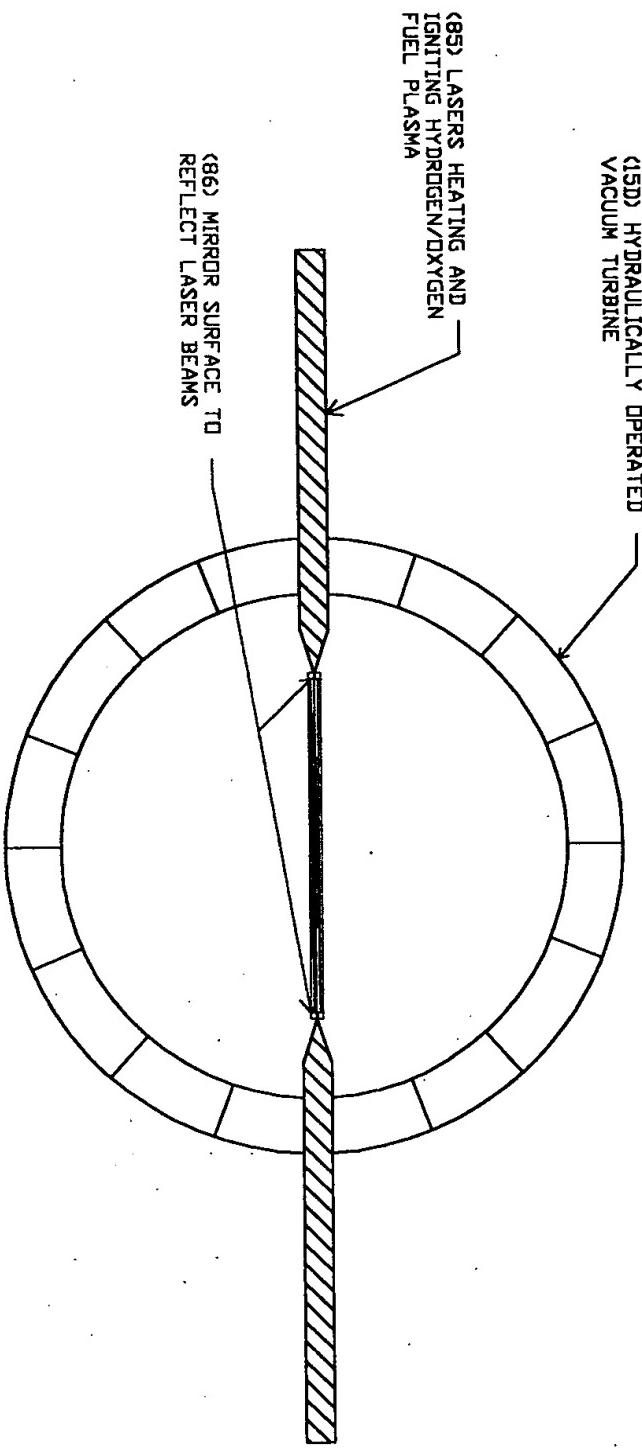
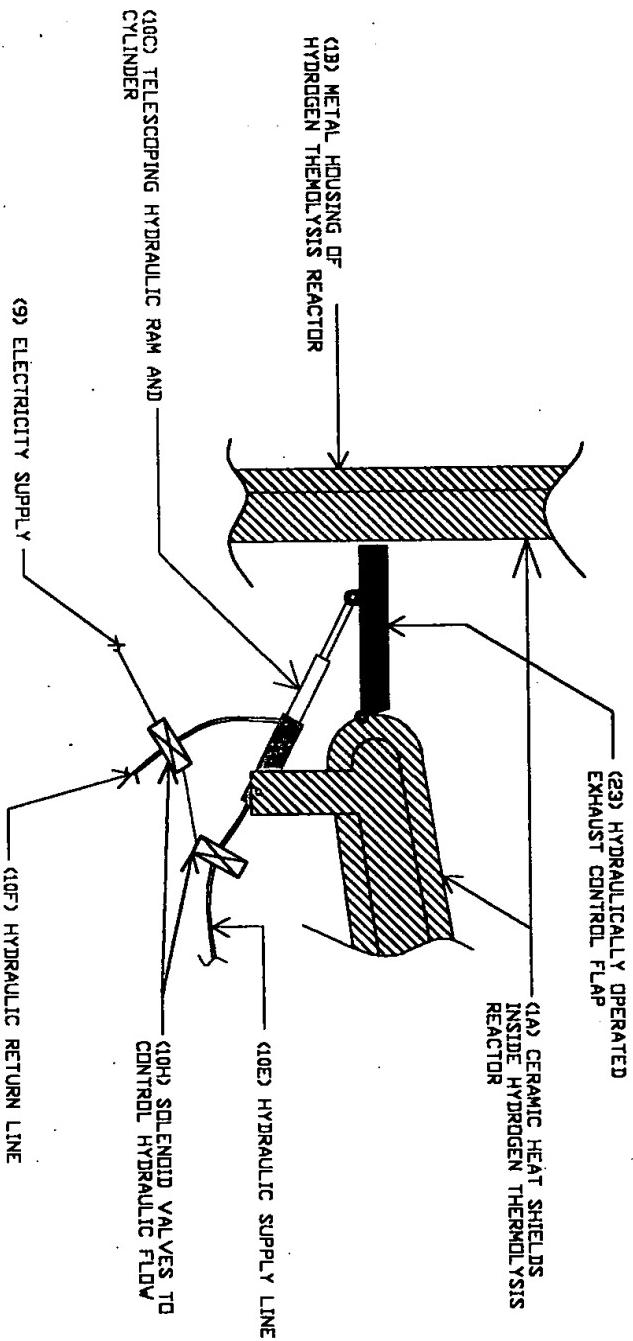


FIGURE 3A. DETAIL OF LASERS HEATING/IGNITING THE HYDROGEN/OXYGEN FUEL PLASMA



DETAIL OF LASER CROSS SECTION  
FROM AN END VIEW OF FIGURE 3.

FIGURE 4. DETAIL OF HYDRAULICALLY OPERATED REACTOR EXHAUST OUTPUT CONTROL VALVE (FLAP) TO MAINTAIN HEAT IN THE HYDROGEN THERMOLYSIS REACTOR



**FIGURE 5. DETAIL OF HYDROGEN THERMOLYSIS REACTOR CORE AND HYDROGEN/OXYGEN PRODUCTION CYLINDER**

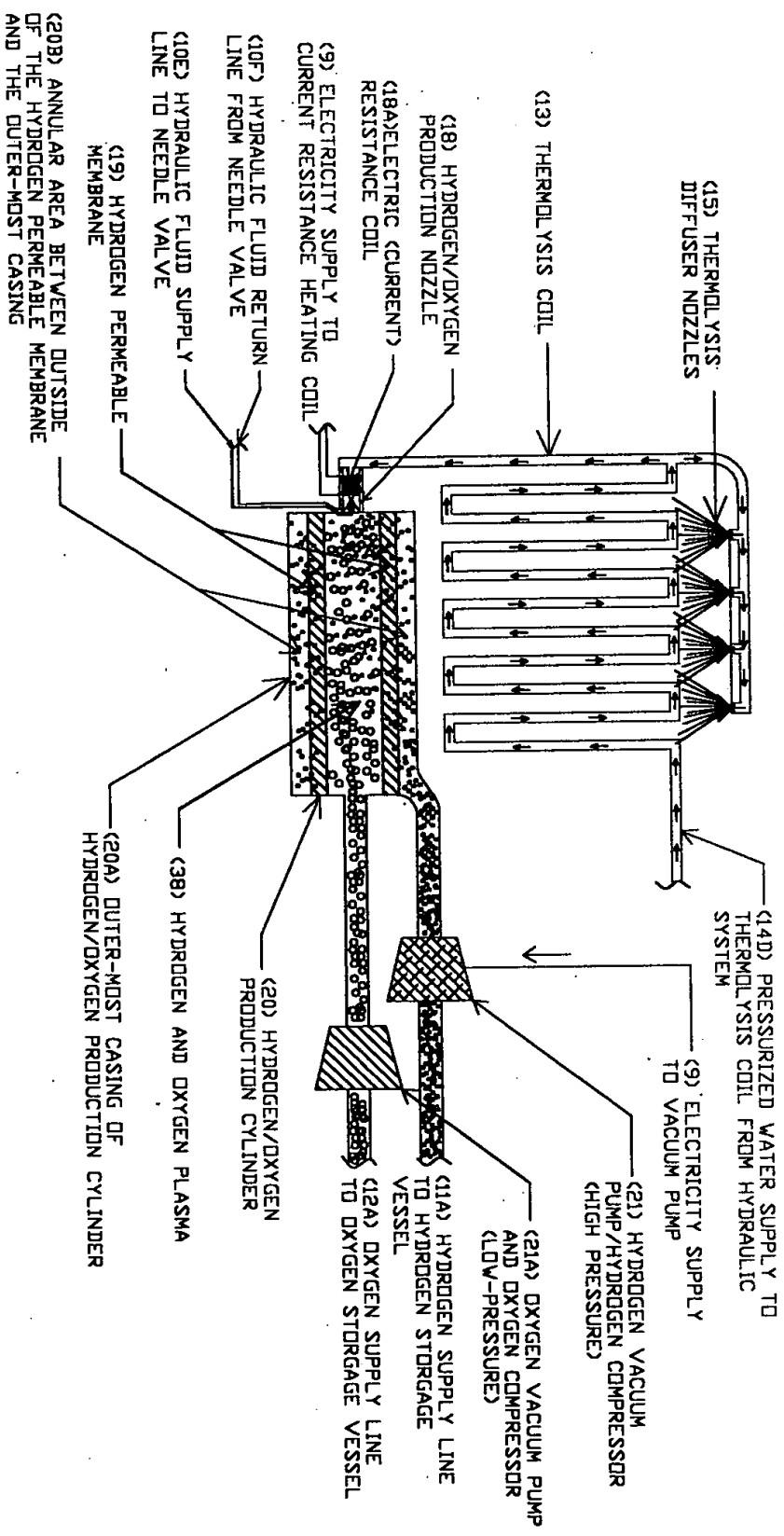


FIGURE 6. DETAIL OF HYDROGEN/OXYGEN PRODUCTION NOZZLE USING ELECTRIC RESISTANCE HEATING AND A HYDRAULICALLY OPERATED NEEDLE VALVE

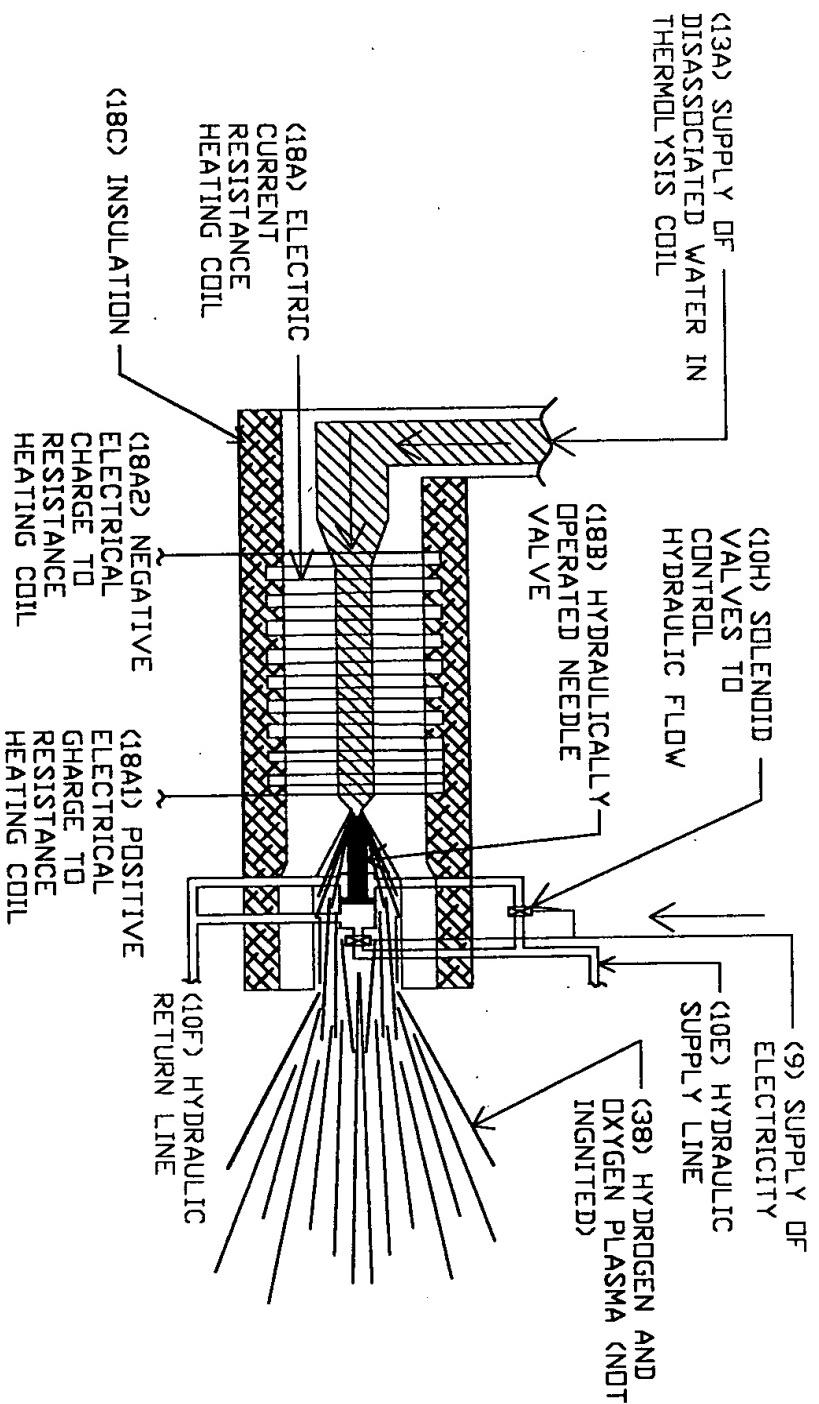
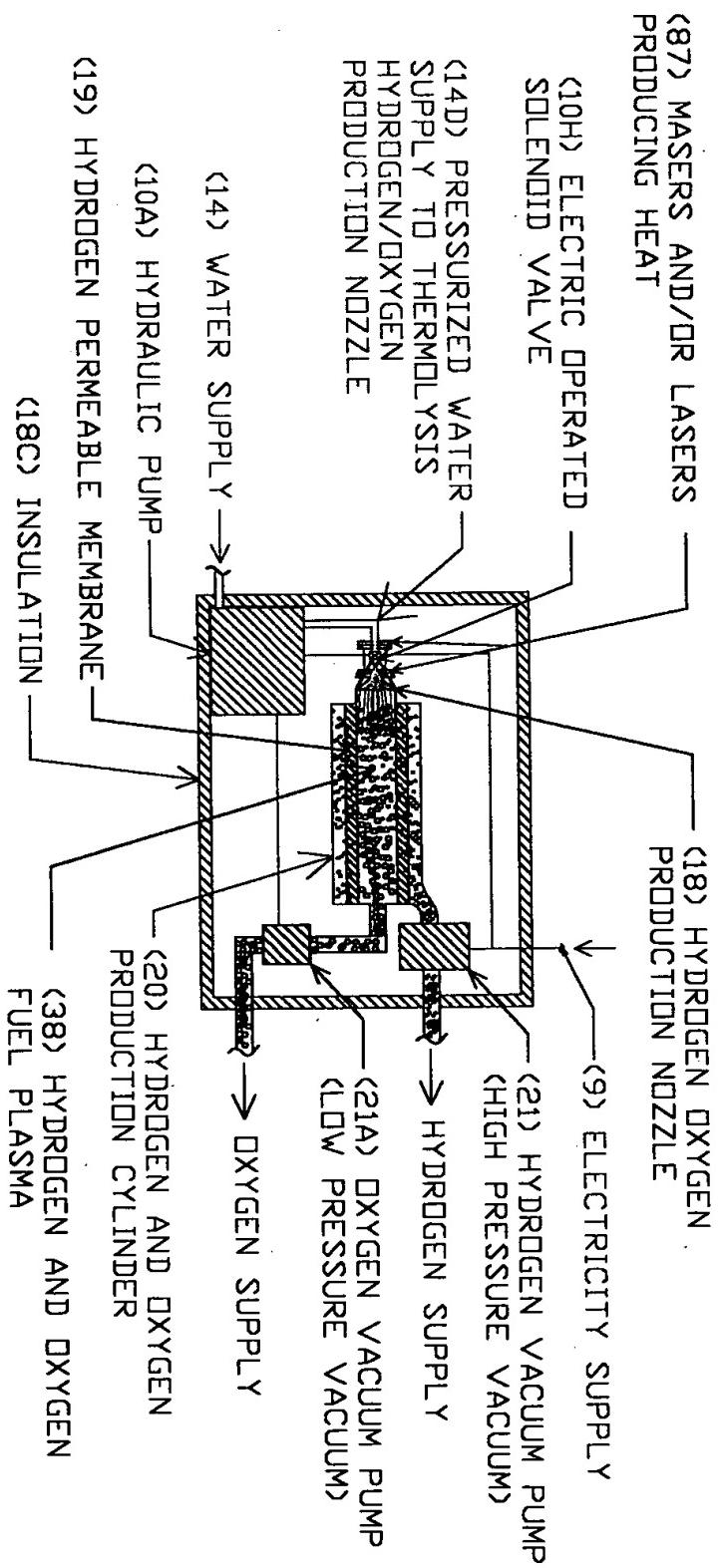


FIGURE 6A. HYDROGEN/OXYGEN PRODUCTION CYLINDER USING HYDROGEN AND OXYGEN PRODUCTION CYLINDER USING MASER AND/OR LASER HEATING



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FIGURE 7. DETAIL OF APPARATUS FOR MULTIPLICATION OF  
HYDRAULIC FORCE

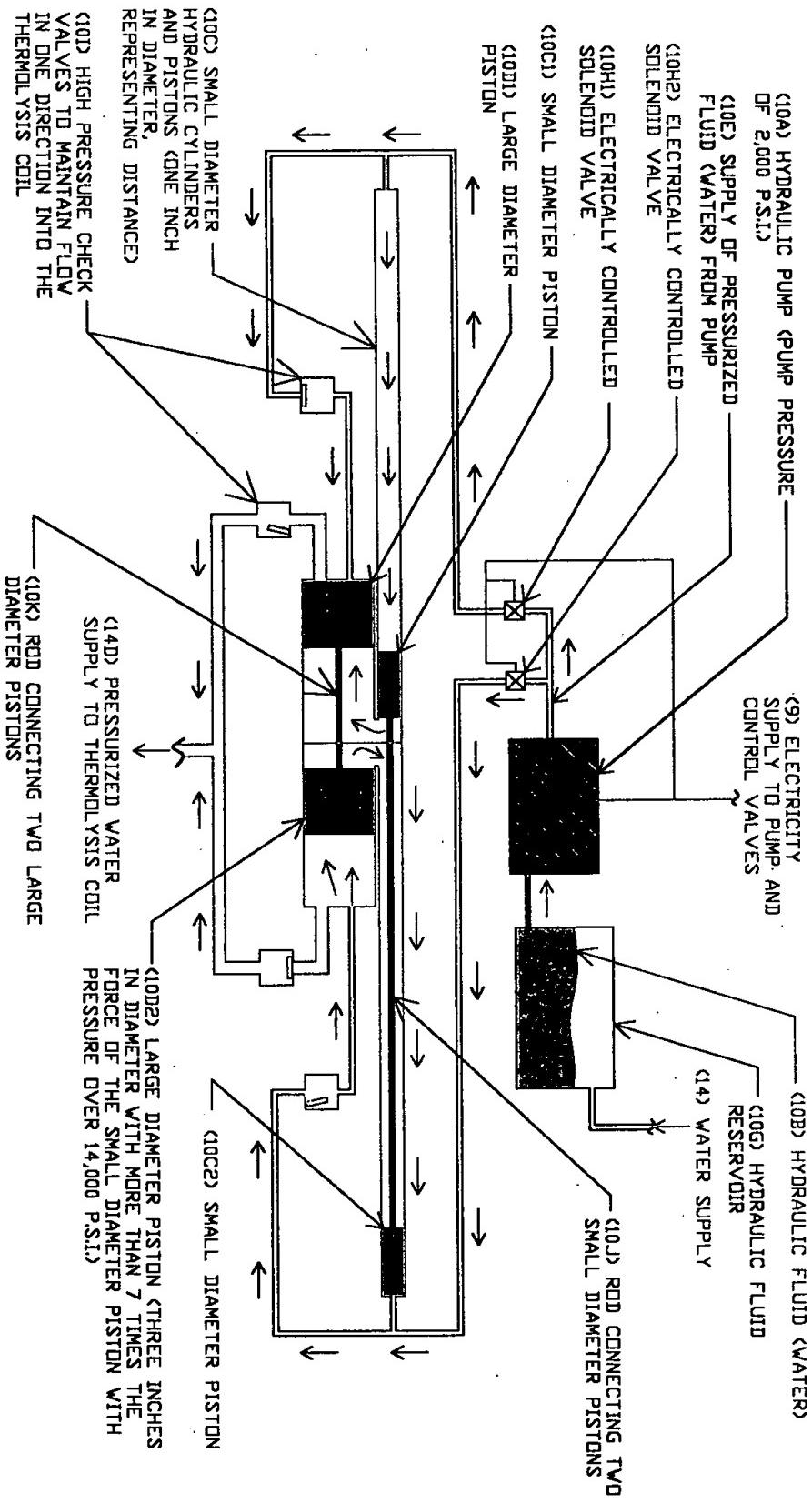
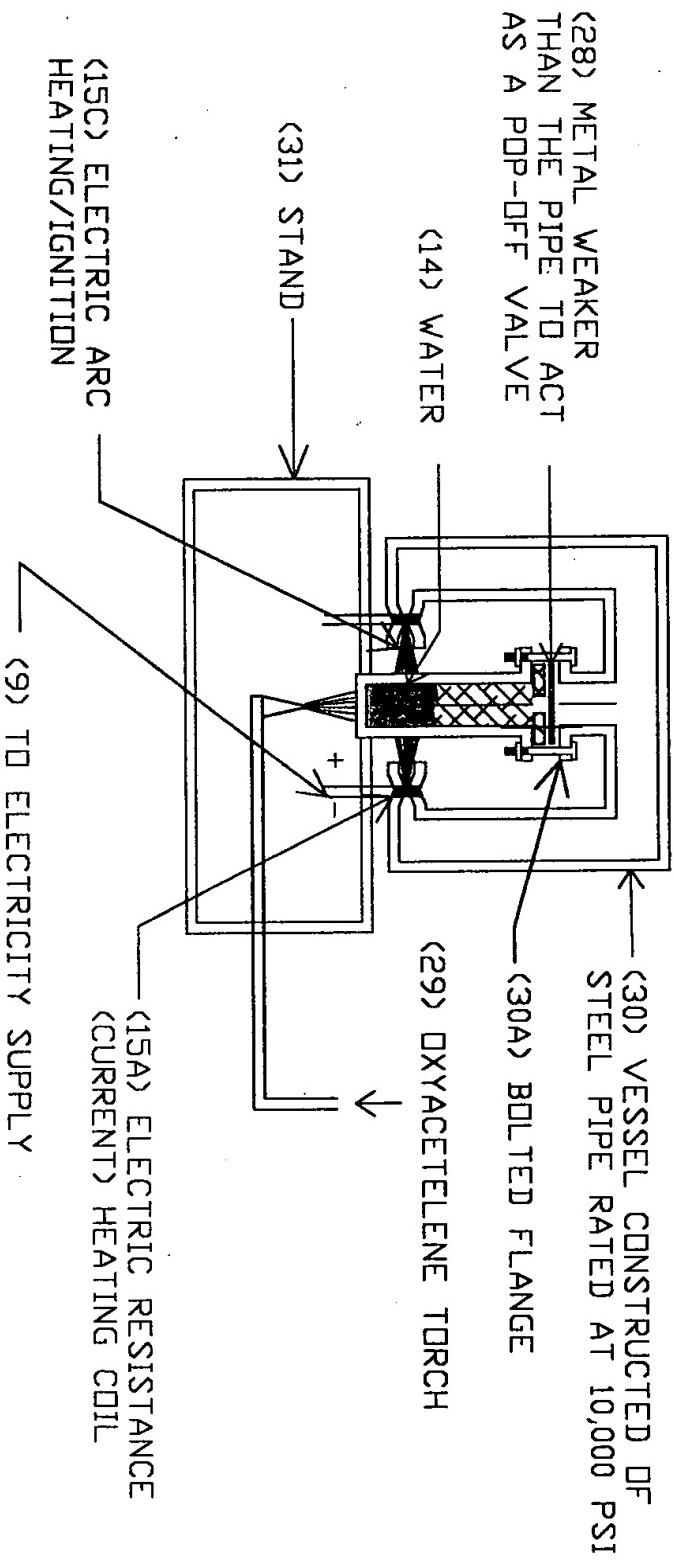


FIGURE 8. TEST UNIT TO PROVE THE CONCEPT OF THE INVENTION OF THE HYDROGEN THERMOLYSIS REACTOR



**FIGURE 9. PISTON DRIVEN HYDRAULIC ENGINE USING HYDRAULIC MULTIPLICATION TO GENERATE GREATER POWER**

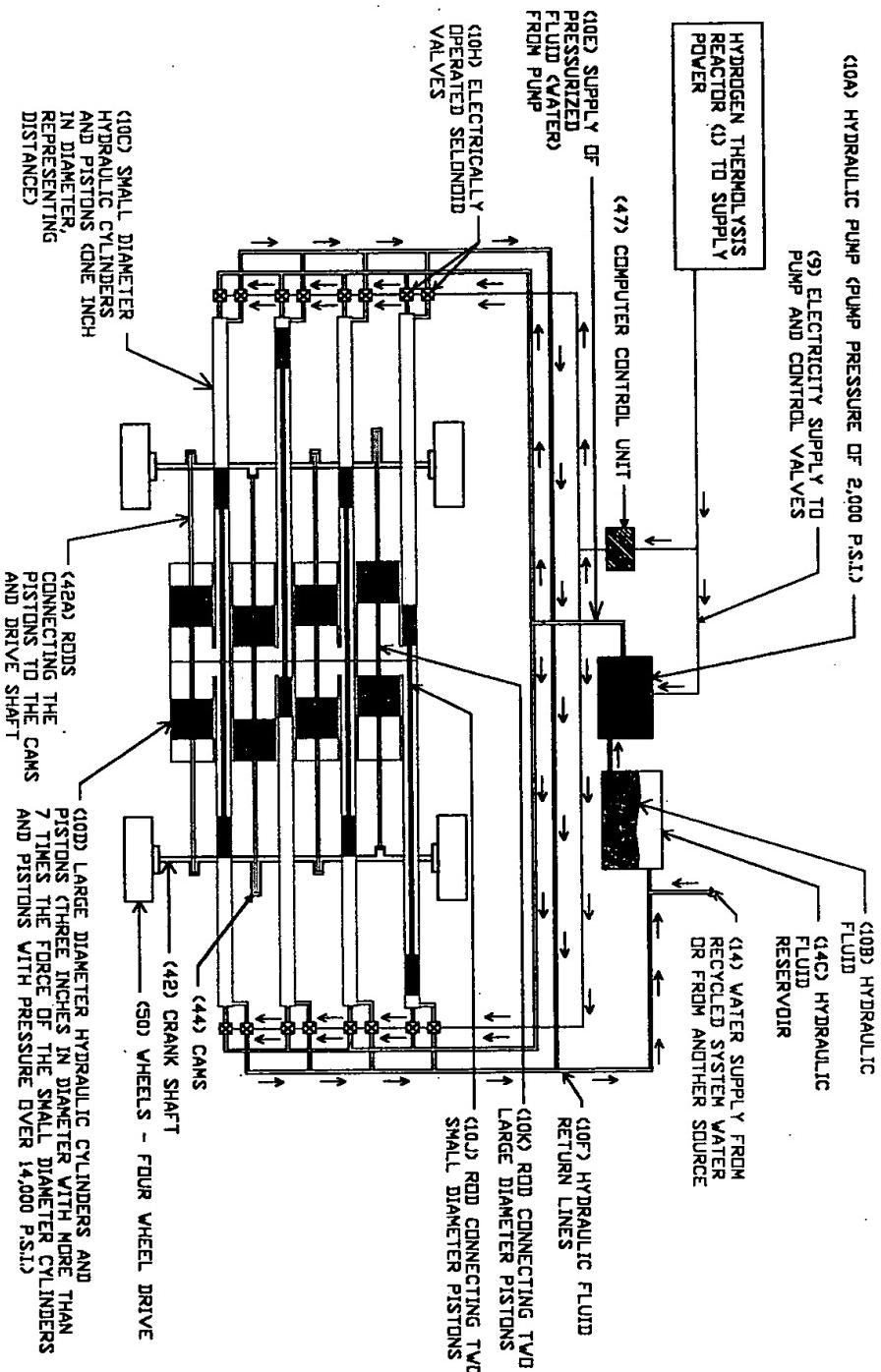


FIGURE 10. HYDROGEN THERMOLYSIS REACTOR POWERED STEAM ENGINE USING MULTIPLICATION OF HYDRAULIC FORCE TO GENERATE GREATER POWER

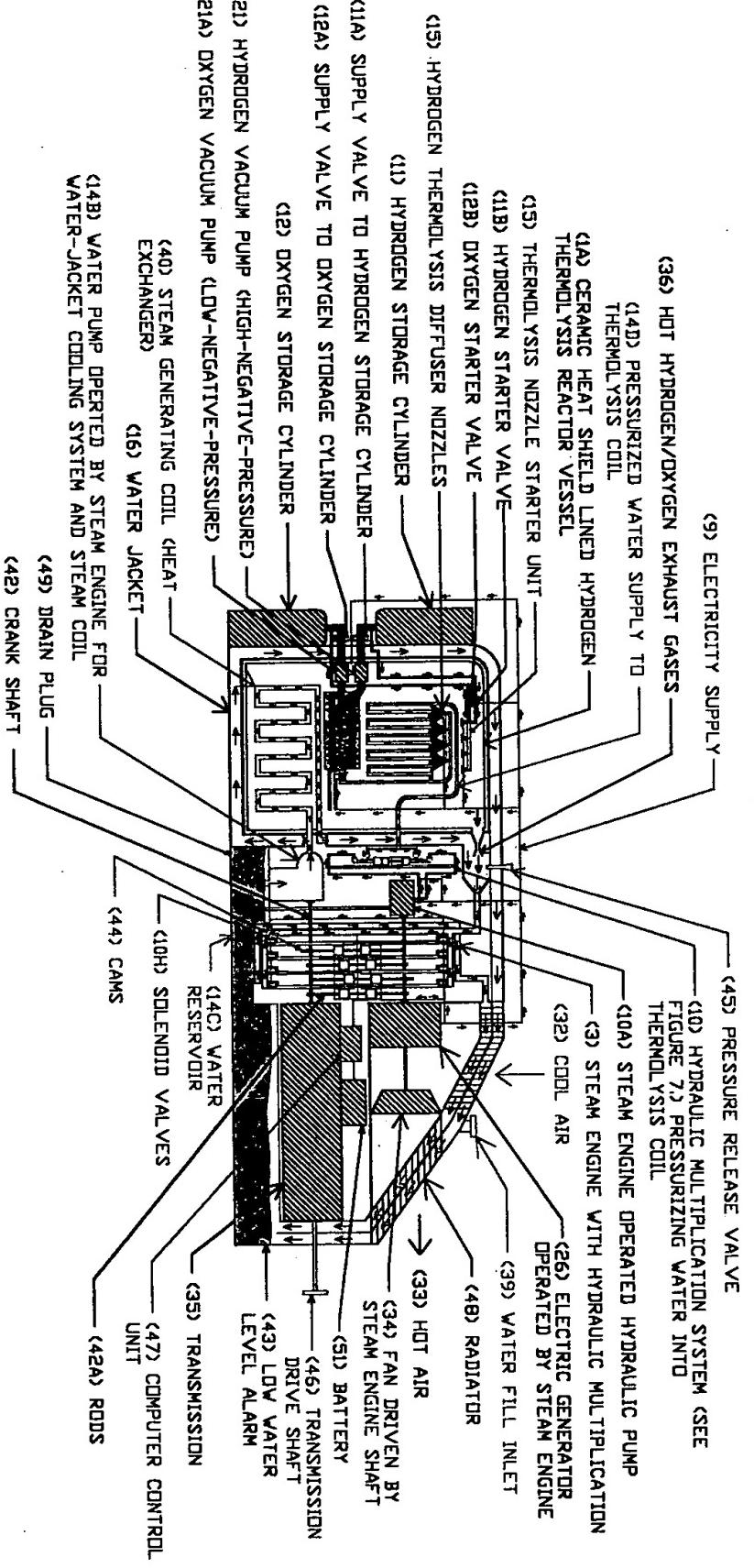


FIGURE 11. HYDROGEN THERMOLYSIS REACTOR, FUEL CELL  
AND ELECTRIC DRIVE MOTOR VEHICLE POWER UNIT

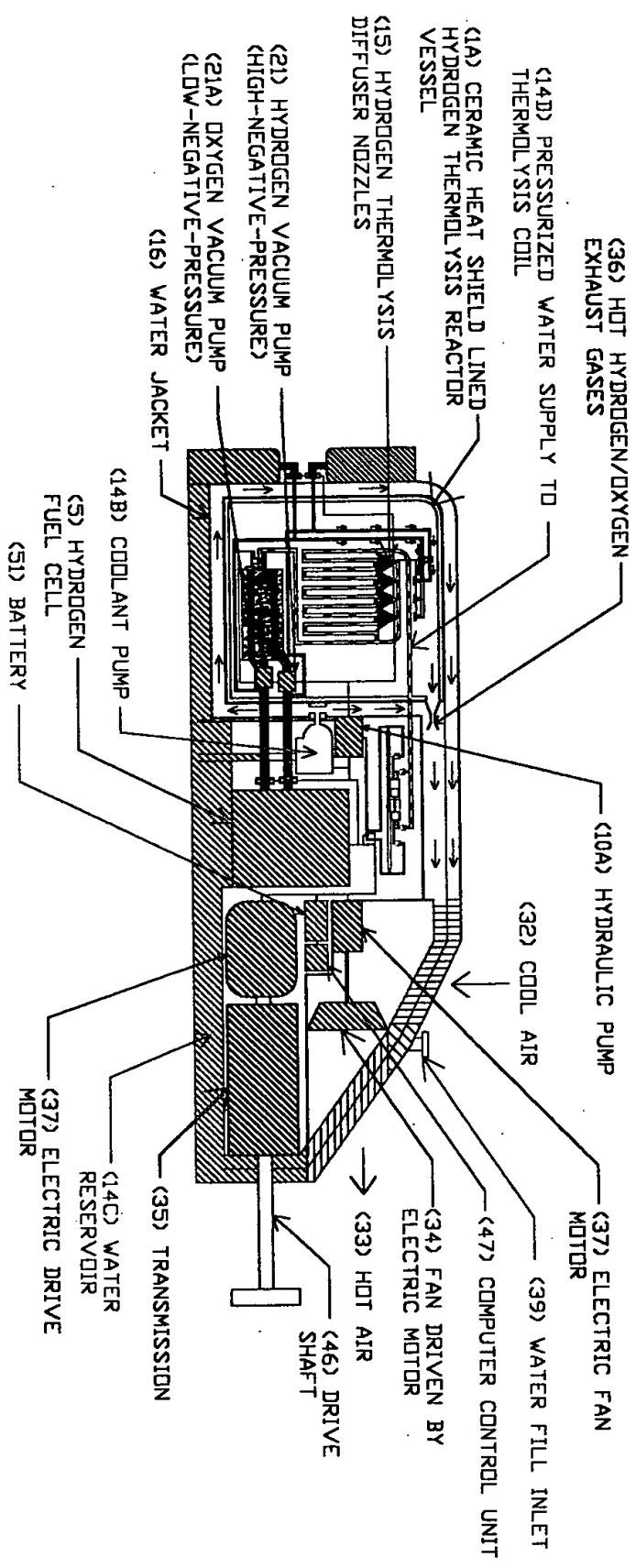


FIGURE 12. HYDROGEN THERMOLYSIS REACTOR COMBUSTION  
ENGINE VEHICLE POWER UNIT

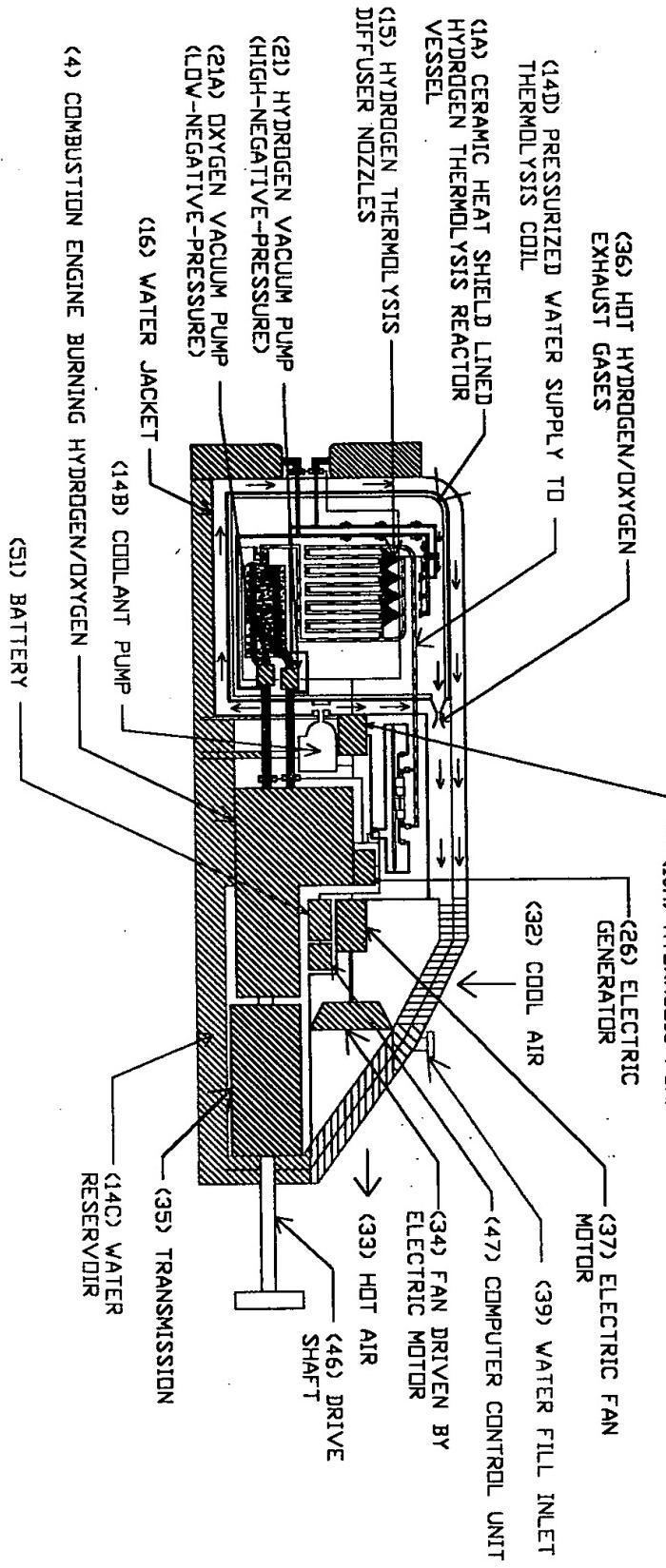


FIGURE 13. HYDROGEN THERMOLYSIS REACTOR POWERED JET PROPULSION ENGINE AIRPLANE AND/OR ROCKET SHIP WITH LIFE SUPPORT SYSTEM

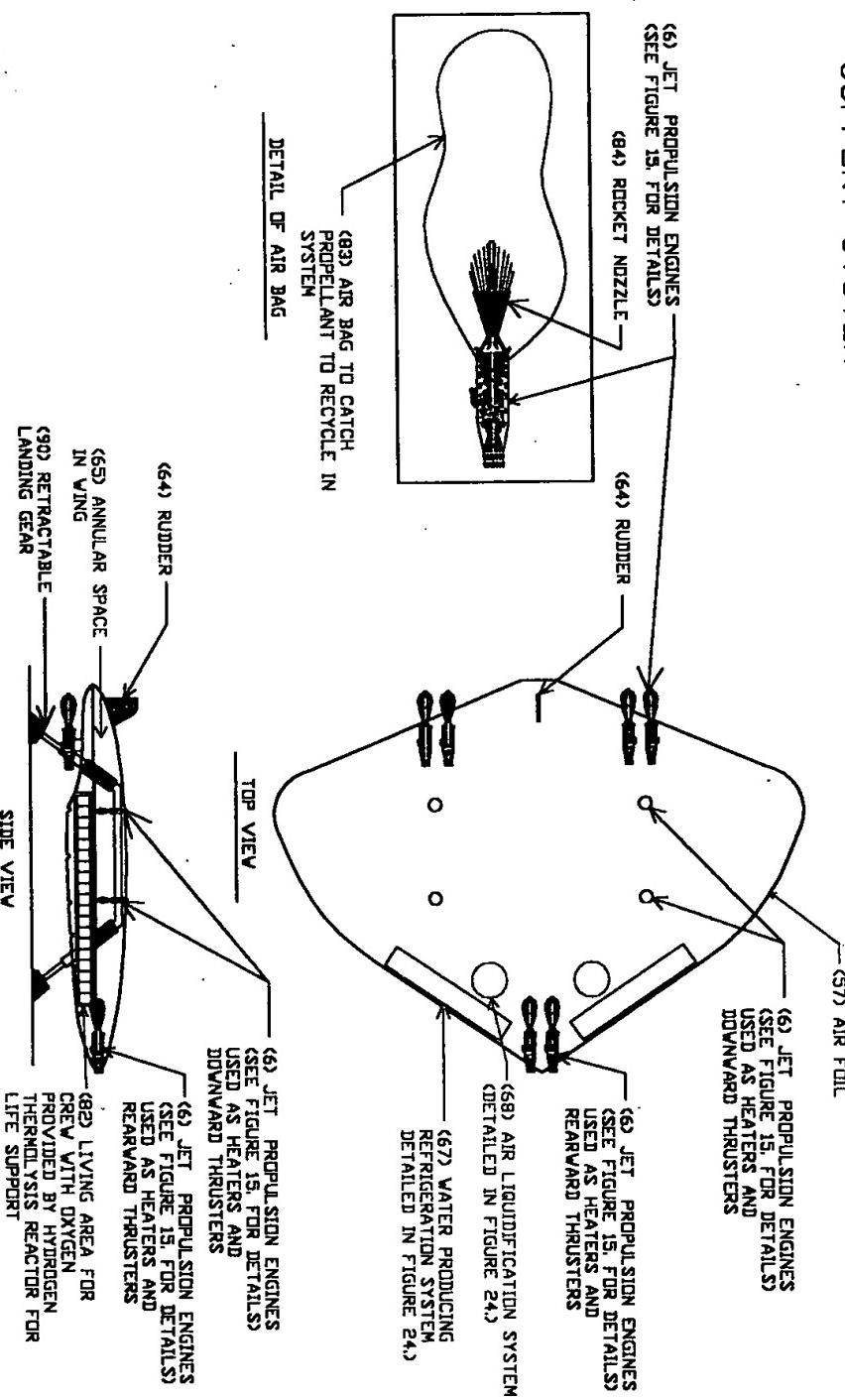


FIGURE 14. HYDROGEN THERMOLYSIS REACTOR POWERED BOAT WITH AIR-FOIL  
HEATERS FOR LIGHTER-THAN-AIR BOAT

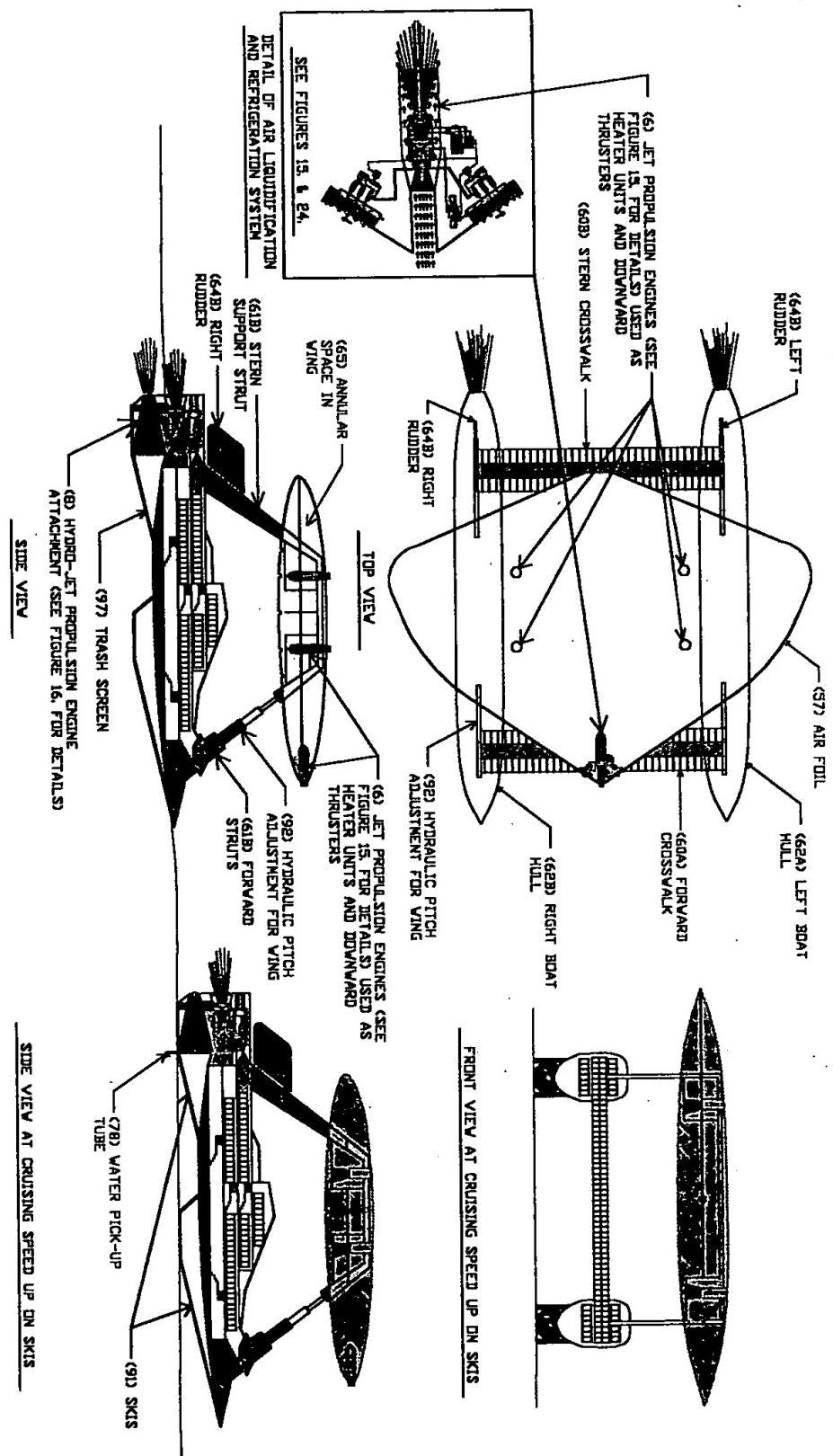
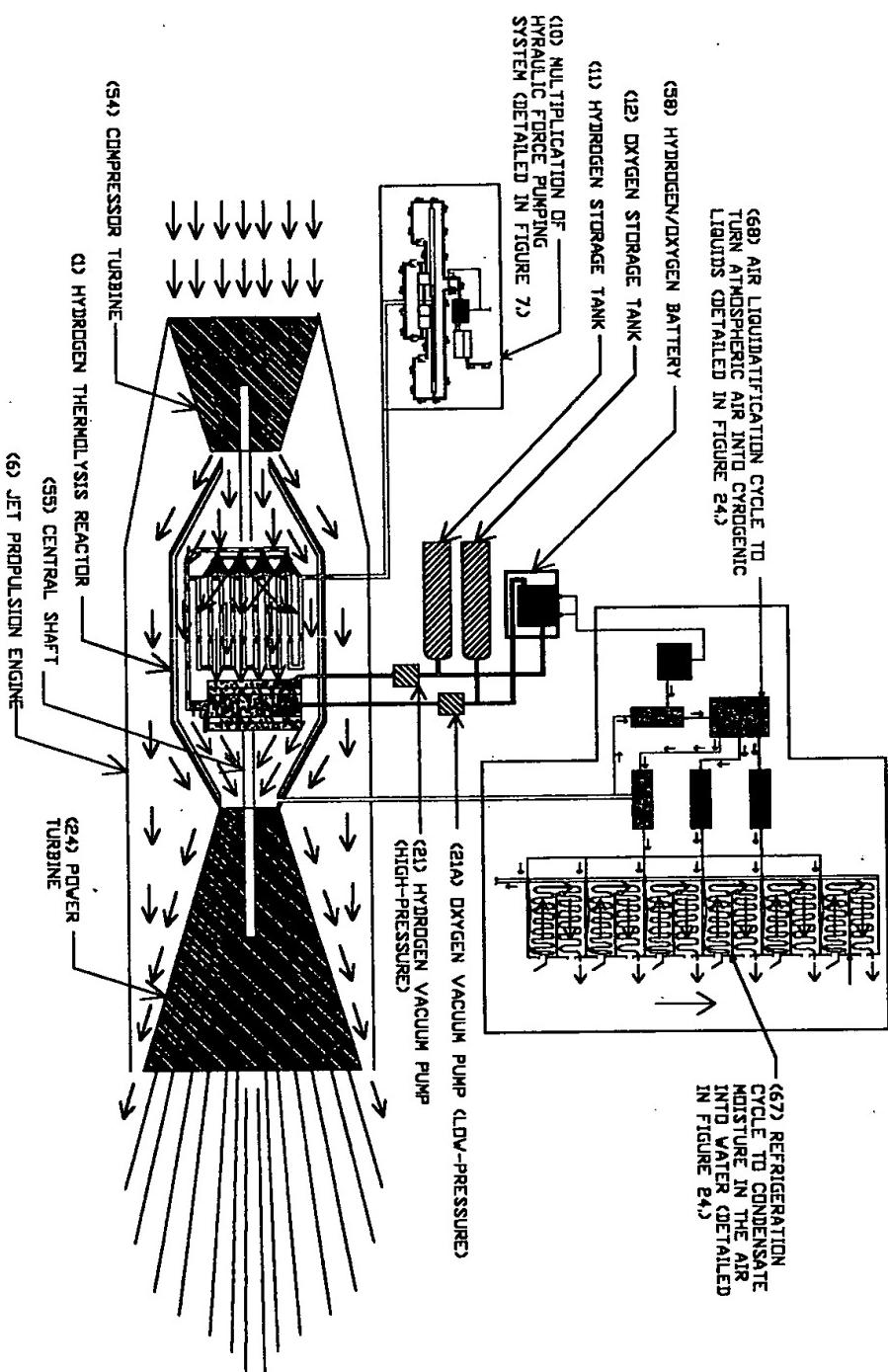


FIGURE 15. HYDROGEN THERMOLYSIS REACTOR  
POWERED JET PROPULSION ENGINE

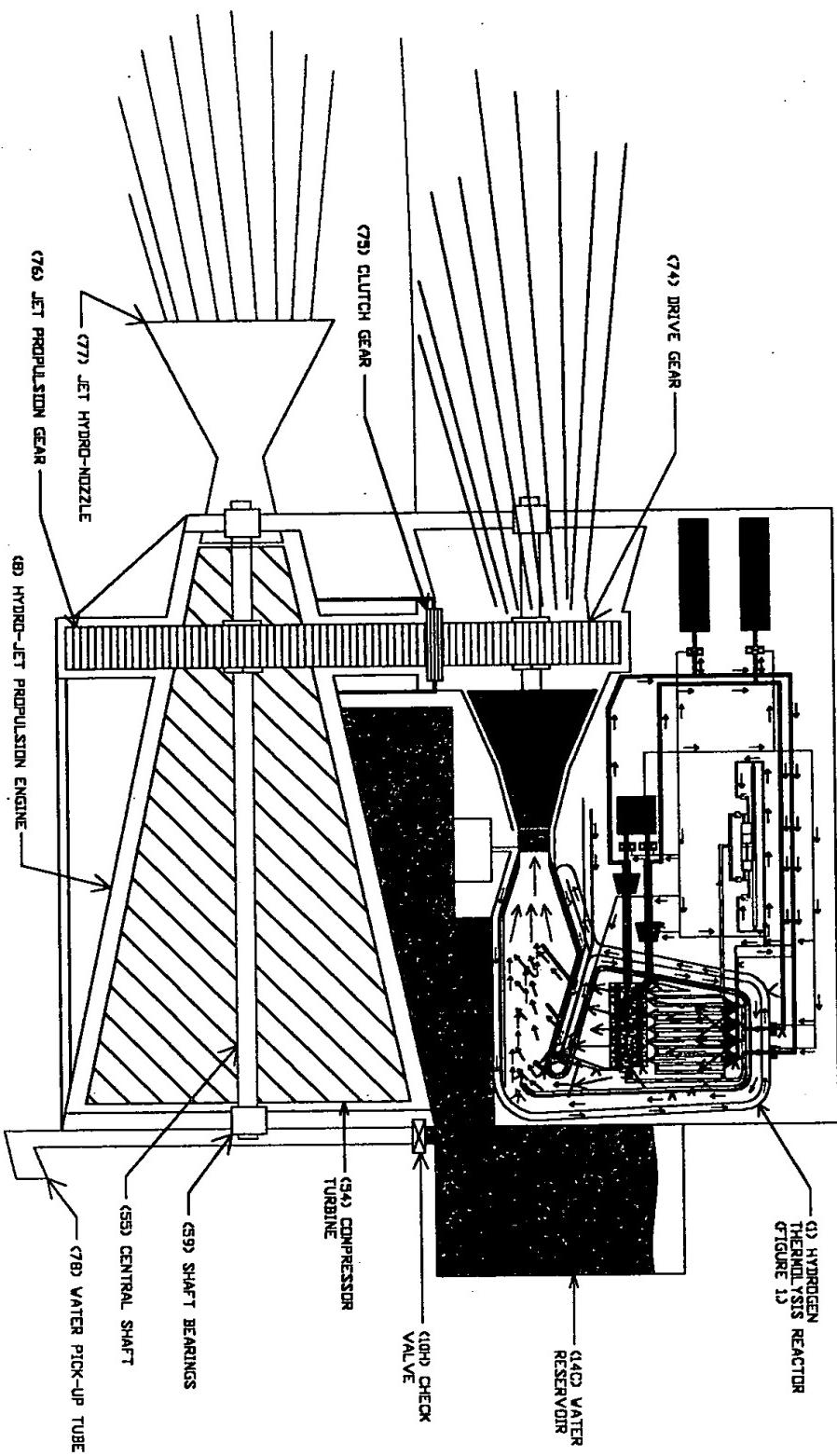
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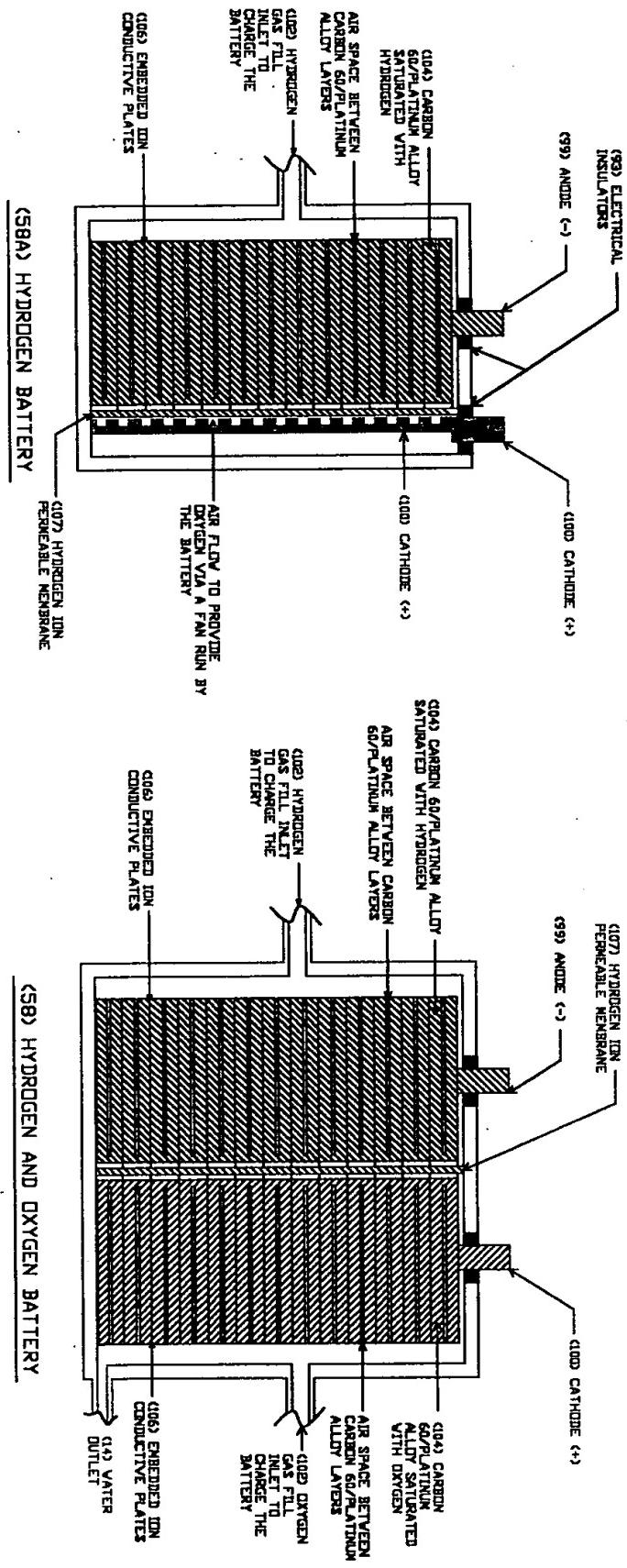
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FIGURE 16. DETAIL OF HYDROGEN THERMOLYSIS REACTOR POWERED HYDRO-JET PROPULSION ENGINE ATTACHMENT



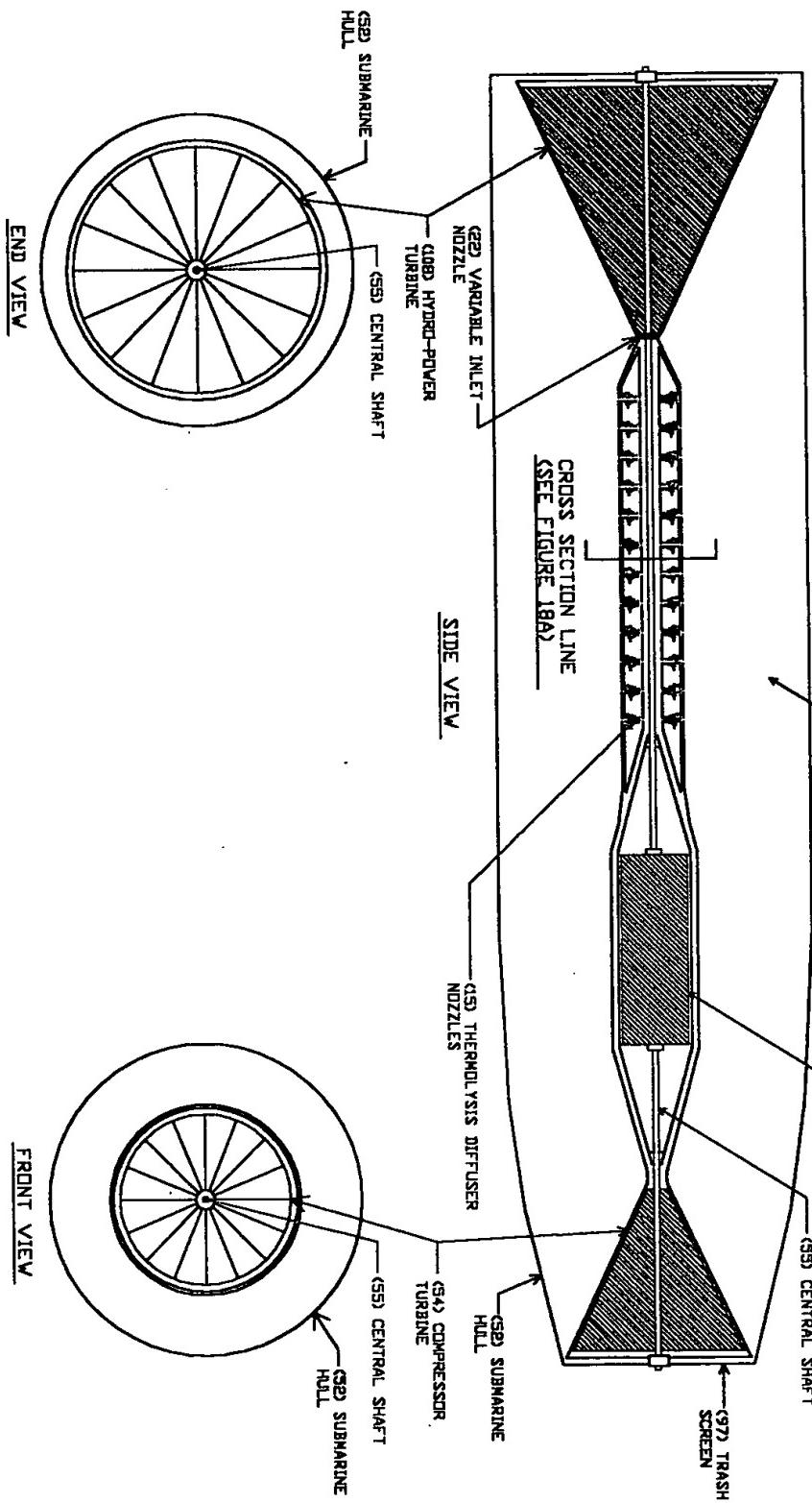
# FIGURE 17. HYDROGEN BATTERY AND HYDROGEN/OXYGEN BATTERY



TOP VIEW SIDE VIEW FRONT VIEW

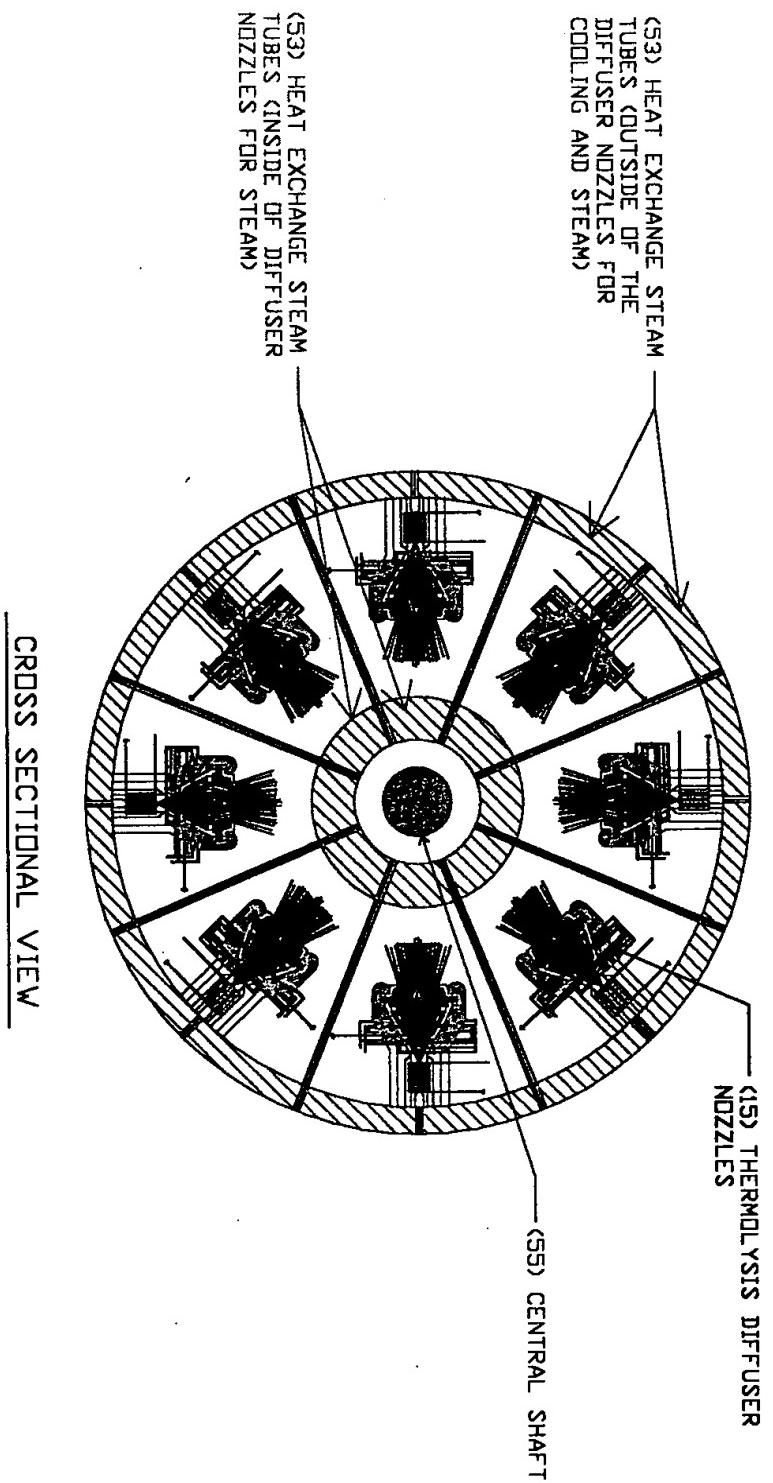
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FIGURE 18. SUBMARINE WITH HYDROGEN THERMOLYSIS REACTOR  
HYDRO-JET PROPULSION UNIT AND LIFE SUPPORT SYSTEM



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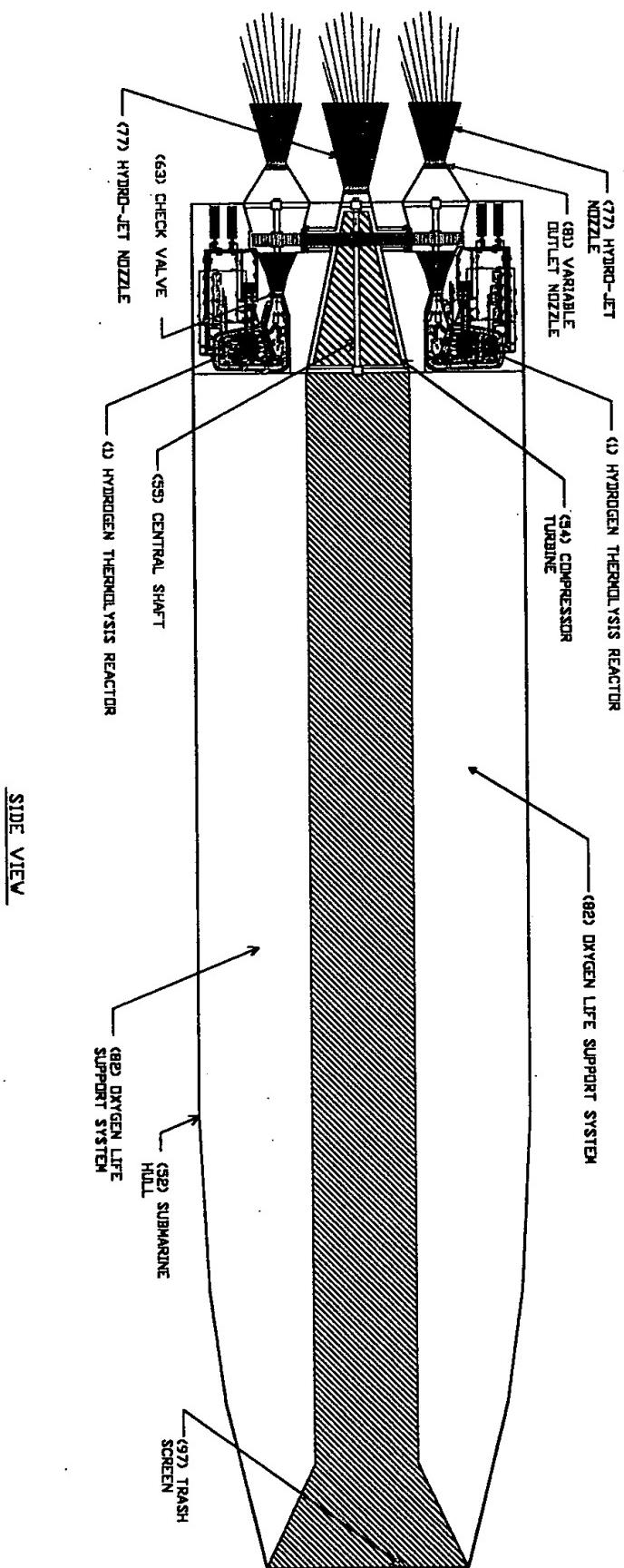
FIGURE 18A, CROSS SECTIONAL VIEW OF CENTER  
OF SUBMARINE WITH HYDROGEN THERMOLYSIS  
DIFFUSER NOZZLES AND STEAM TUBES



100 900 800 700 600 500 400 300 200 100 0

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FIGURE 19. SUBMARINE POWERED BY HYDROGEN THERMOLYSIS REACTOR POWERED JET PROPULSION ENGINES USING A HYDRO-JET ATTACHMENT



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FIGURE 20. DETAIL OF HYDROGEN THERMOLYSIS REACTOR POWERED JET PROPULSION ENGINES AND HYDRO-JET ATTACHMENT

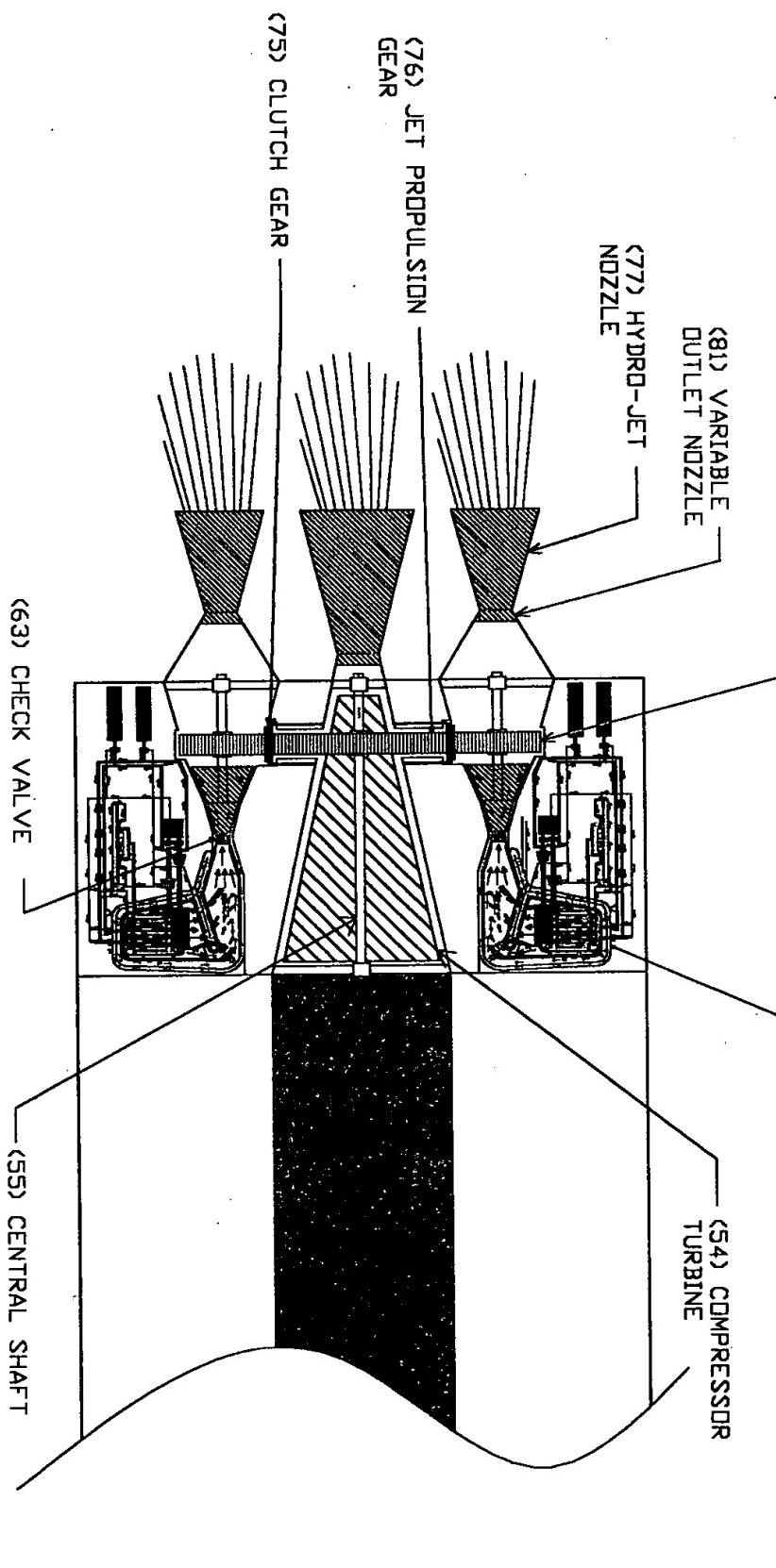


FIGURE 21. MINIATURE HYDROGEN THERMOLYSIS DIFFUSER NOZZLE USING MASERS AND LASERS FOR SPARK PLUG REPLACEMENT TO RETROFIT COMBUSTION ENGINES

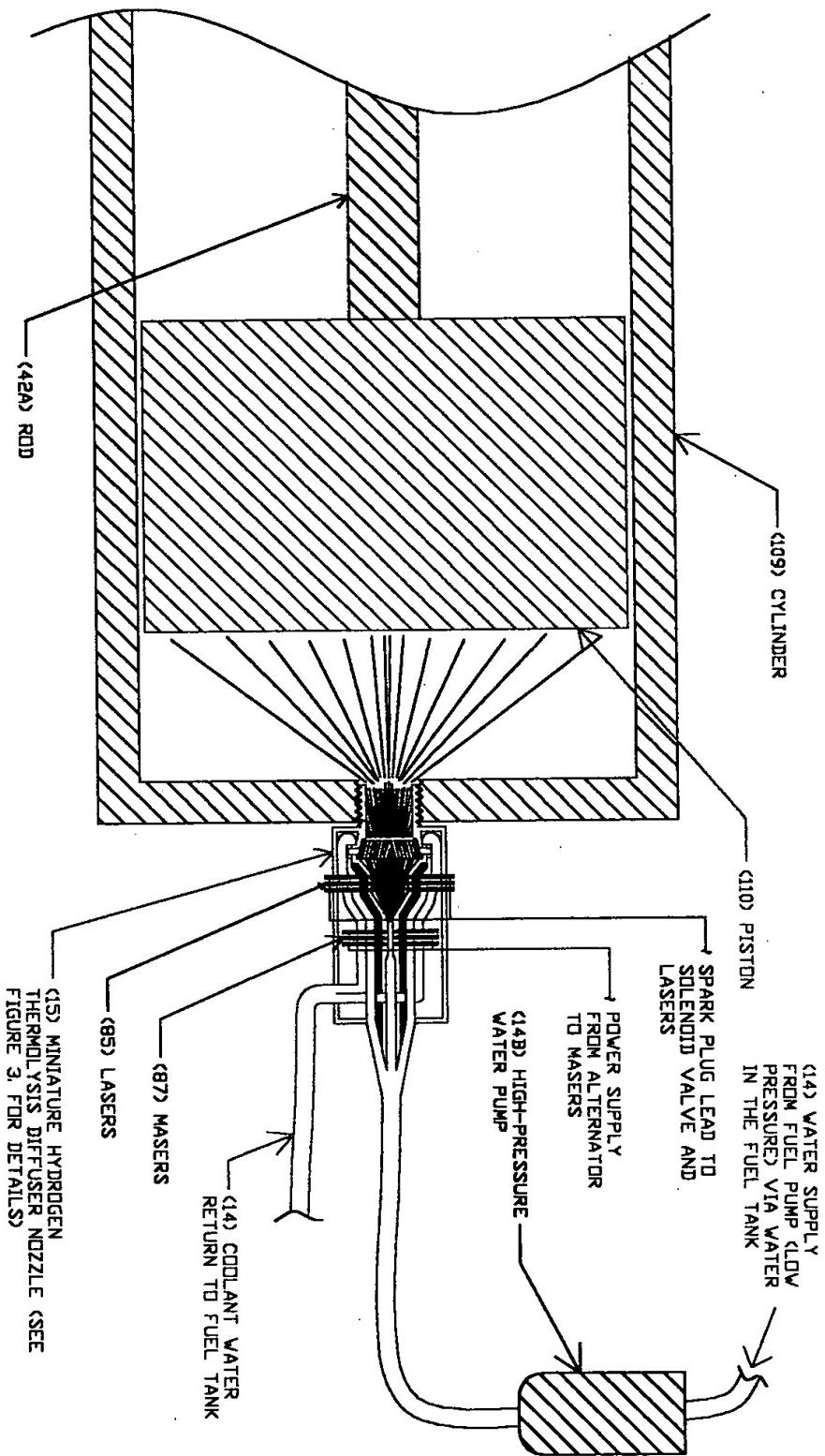
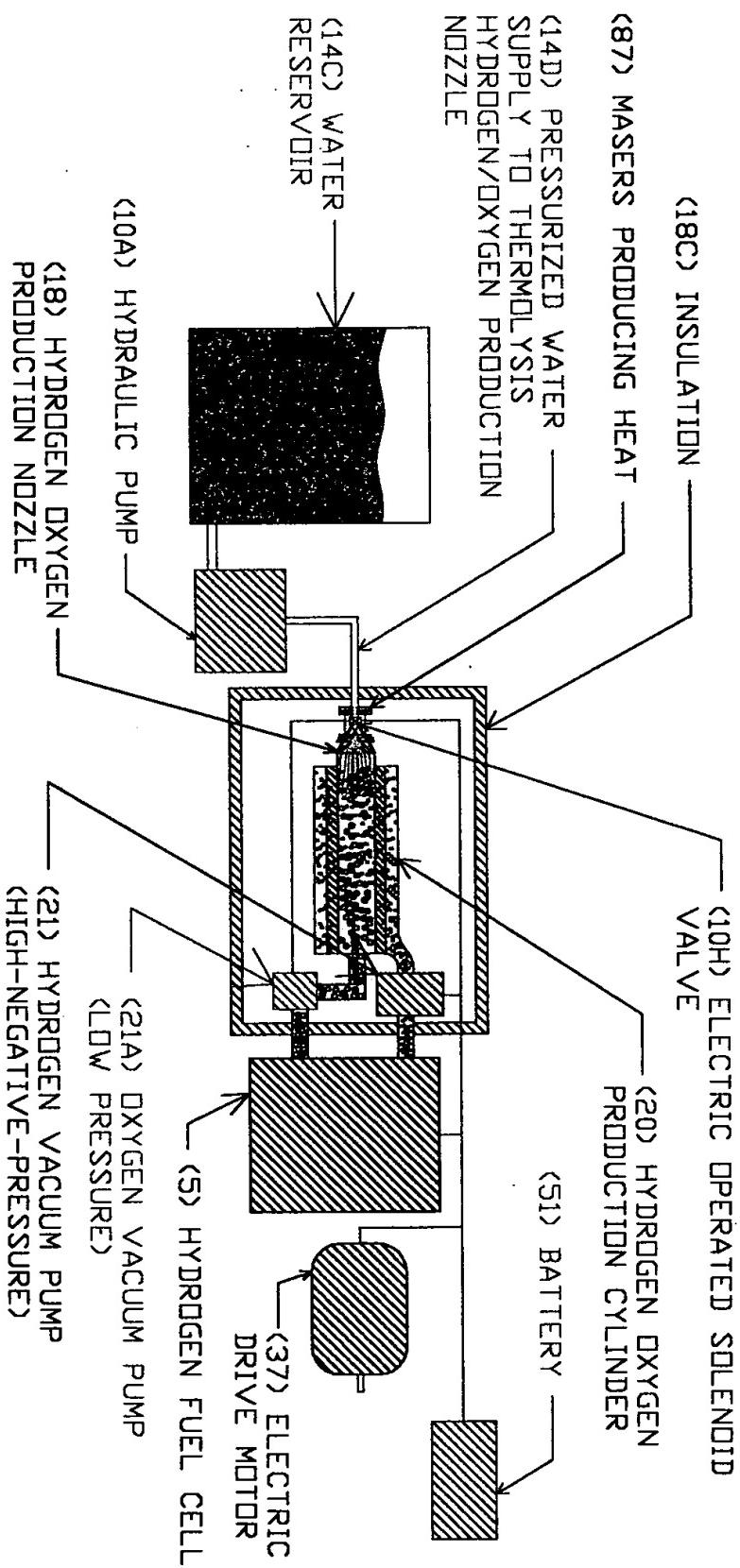
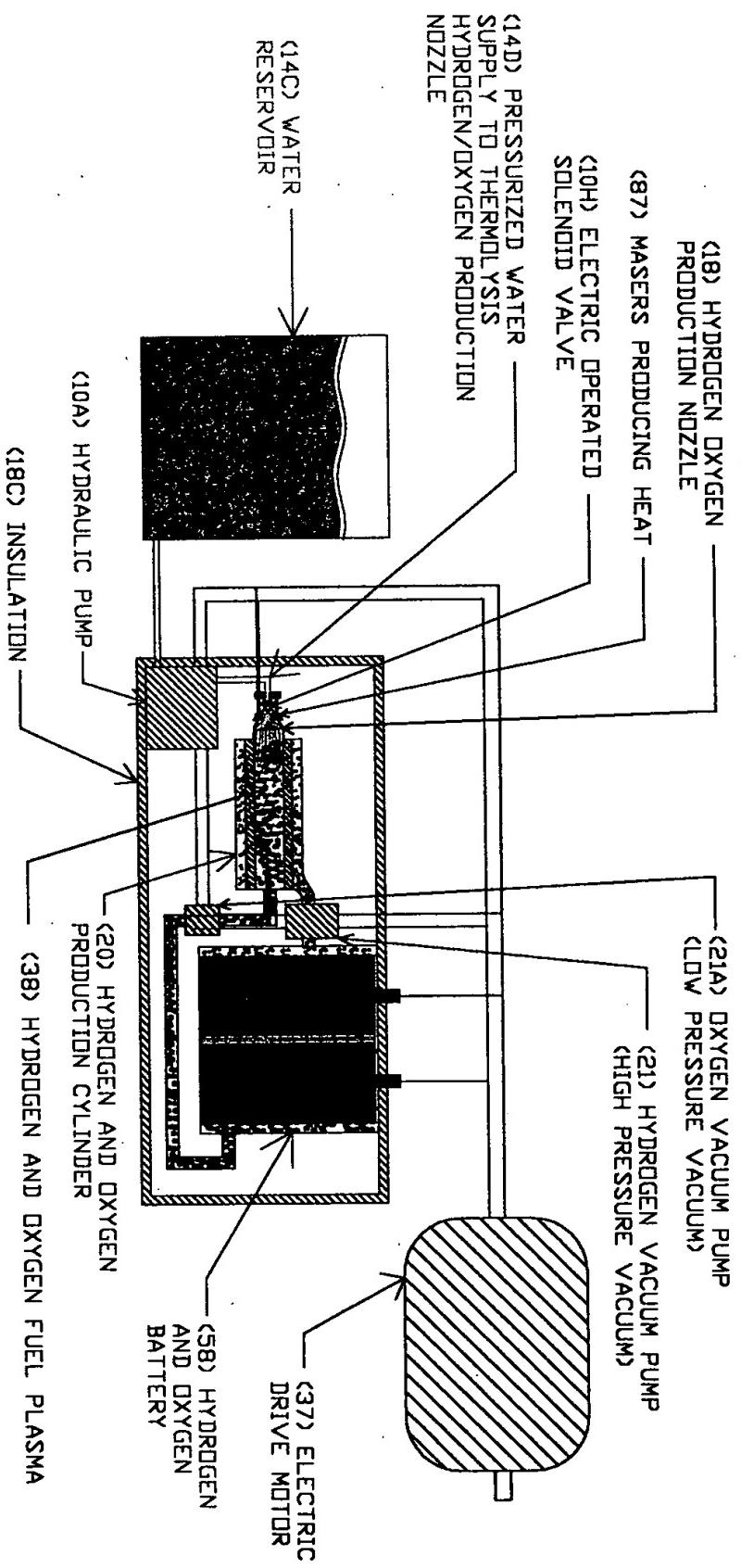


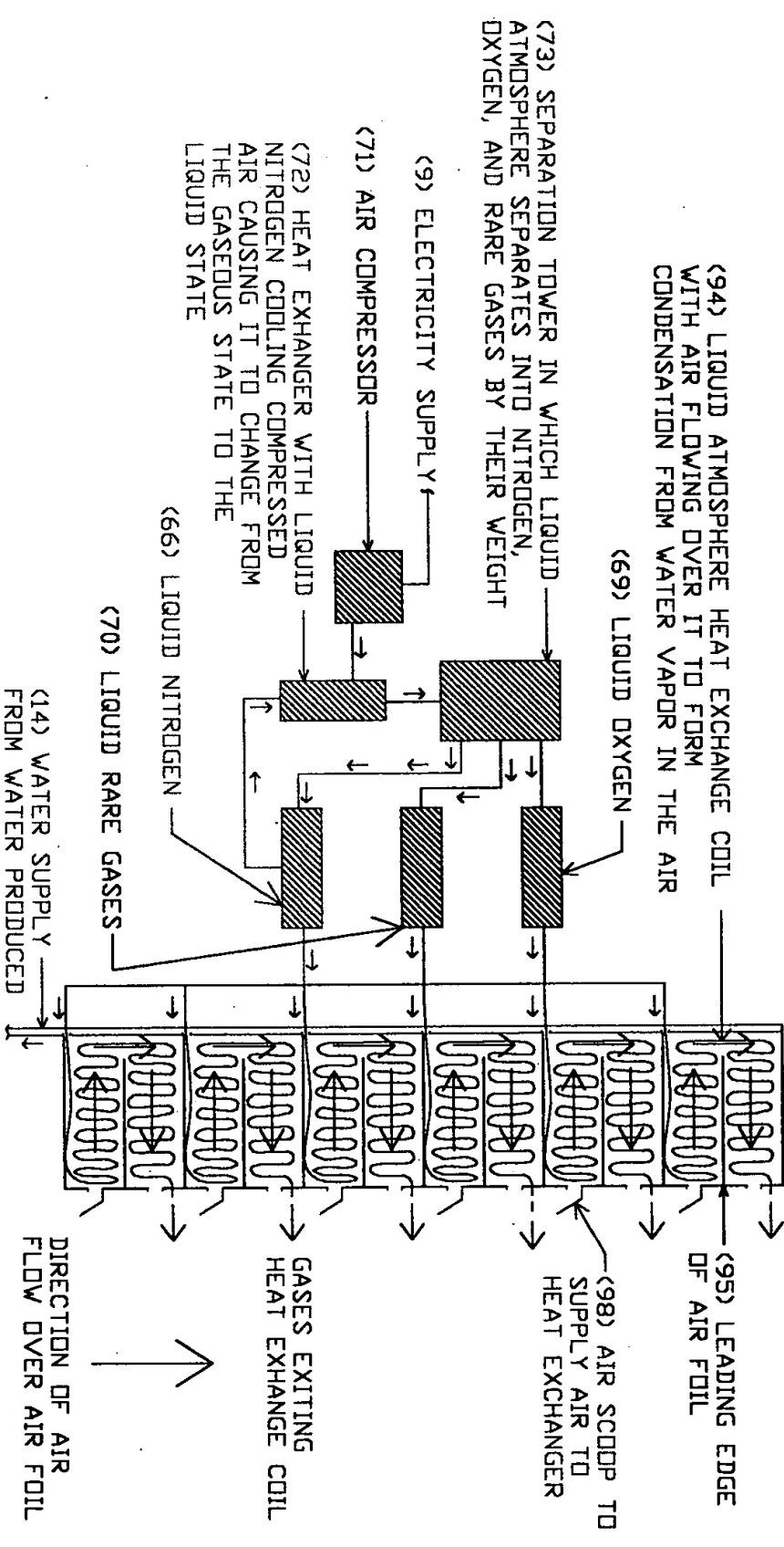
FIGURE 22. THERMOLYSIS HYDROGEN/OXYGEN PRODUCTION NOZZLE POWERED FUEL CELL



## FIGURE 23. HYDROGEN AND OXYGEN PRODUCTION NOZZLE POWERED HYDROGEN/OXYGEN BATTERY



## FIGURE 24. AIR LIQUIDIFICATION AND REFRIGERATION SYSTEM



20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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## FIGURE 25. JET PROPULSION ENGINE POWERED PERSONAL TRANSPORT VEHICLE

